

Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031924\
 Data File : VU058167.D
 Acq On : 19 Mar 2024 21:51
 Operator : MD/SY
 Sample : P1796-03
 Misc : 25.0mL/MSVOA_U/WATER
 ALS Vial : 18 Sample Multiplier: 1

Instrument :
 MSVOA_U
 ClientSampleId :
 GCFZ0

Manual Integrations
 APPROVED

Reviewed By :Mahesh Dadoda 03/20/2024
 Supervised By :Semsettin Yesilyurt 03/20/2024

Quant Time: Mar 20 05:24:05 2024
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_U\Method\SFAMUTR022924WMA.M
 Quant Title : TRACE VOA SFAM1.0
 QLast Update : Wed Mar 20 05:19:57 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

Internal Standards						
1) 1,4-Difluorobenzene	6.242	114	126696	5.000	ug/L	0.00
28) Chlorobenzene-d5	9.409	117	118158	5.000	ug/L	0.00
58) 1,4-Dichlorobenzene-d4	11.804	152	53900	5.000	ug/L	0.00
System Monitoring Compounds						
4) Vinyl Chloride-d3	1.583	65	37034	4.063	ug/L	0.00
Spiked Amount 5.000	Range 40 - 130		Recovery =	81.200%		
7) Chloroethane-d5	1.898	69	32902	4.391	ug/L	0.00
Spiked Amount 5.000	Range 65 - 130		Recovery =	87.800%		
11) 1,1-Dichloroethene-d2	2.551	65	19434	4.927	ug/L	0.00
Spiked Amount 5.000	Range 60 - 125		Recovery =	98.600%		
20) 2-Butanone-d5	4.711	46	83794	55.790	ug/L	0.09
Spiked Amount 50.000	Range 40 - 130		Recovery =	111.580%		
24) Chloroform-d	5.071	84	307468	17.834	ug/L	0.02
Spiked Amount 5.000	Range 70 - 125		Recovery =	356.600%#		
26) 1,2-Dichloroethane-d4	5.698	65	38275	4.900	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	98.000%		
32) Benzene-d6	5.714	84	169107	4.911	ug/L	0.00
Spiked Amount 5.000	Range 70 - 125		Recovery =	98.200%		
36) 1,2-Dichloropropane-d6	6.689	67	48900	4.671	ug/L	0.00
Spiked Amount 5.000	Range 60 - 140		Recovery =	93.400%		
41) Toluene-d8	7.891	98	133330	4.274	ug/L	0.00
Spiked Amount 5.000	Range 70 - 130		Recovery =	85.400%		
43) trans-1,3-Dichloroprop...	8.174	79	15964	4.435	ug/L	0.00
Spiked Amount 5.000	Range 55 - 130		Recovery =	88.600%		
46) 2-Hexanone-d5	8.637	63	70622	58.434	ug/L	0.00
Spiked Amount 50.000	Range 45 - 130		Recovery =	116.860%		
56) 1,1,2,2-Tetrachloroeth...	10.750	84	33940	5.287	ug/L	0.00
Spiked Amount 5.000	Range 65 - 120		Recovery =	105.800%		
66) 1,2-Dichlorobenzene-d4	12.187	152	42153	4.749	ug/L	0.00
Spiked Amount 5.000	Range 80 - 120		Recovery =	95.000%		
Target Compounds						
3) Chloromethane	1.506	50	1879	0.209	ug/L	91
5) Vinyl chloride	1.589	62	45837	4.747	ug/L	100
12) 1,1-Dichloroethene	2.560	96	8336724	1090.567	ug/L #	65
14) Carbon disulfide	2.772	76	9810	0.415	ug/L #	90
16) Methylene chloride	3.030	84	20484	2.205	ug/L	90
18) trans-1,2-Dichloroethene	3.332	96	47846	5.746	ug/L	95
19) 1,1-Dichloroethane	3.850	63	161777	9.740	ug/L	98
22) cis-1,2-Dichloroethene	4.650	96	2078597	226.924	ug/L	99
25) Chloroform	5.075	83	5730148	337.912	ug/L	100
27) 1,2-Dichloroethane	5.788	62	48054	5.119	ug/L	98
29) 1,1,1-Trichloroethane	5.303	97	117925	8.385	ug/L	100
31) Carbon tetrachloride	5.502	117	27160551m	2222.532	ug/L	
33) Benzene	5.763	78	22325	0.616	ug/L	100
34) Trichloroethene	6.534	95	27857935m	2920.137	ug/L	
45) 1,1,2-Trichloroethane	8.393	97	59701	10.769	ug/L	97
47) Tetrachloroethene	8.544	164	28301	4.276	ug/L	97
60) Isopropylbenzene	10.480	105	6635	0.185	ug/L	96
63) 1,2,4-Trimethylbenzene	11.460	105	1963	0.066	ug/L	93

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Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)
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(#) = qualifier out of range (m) = manual integration (+) = signals summed

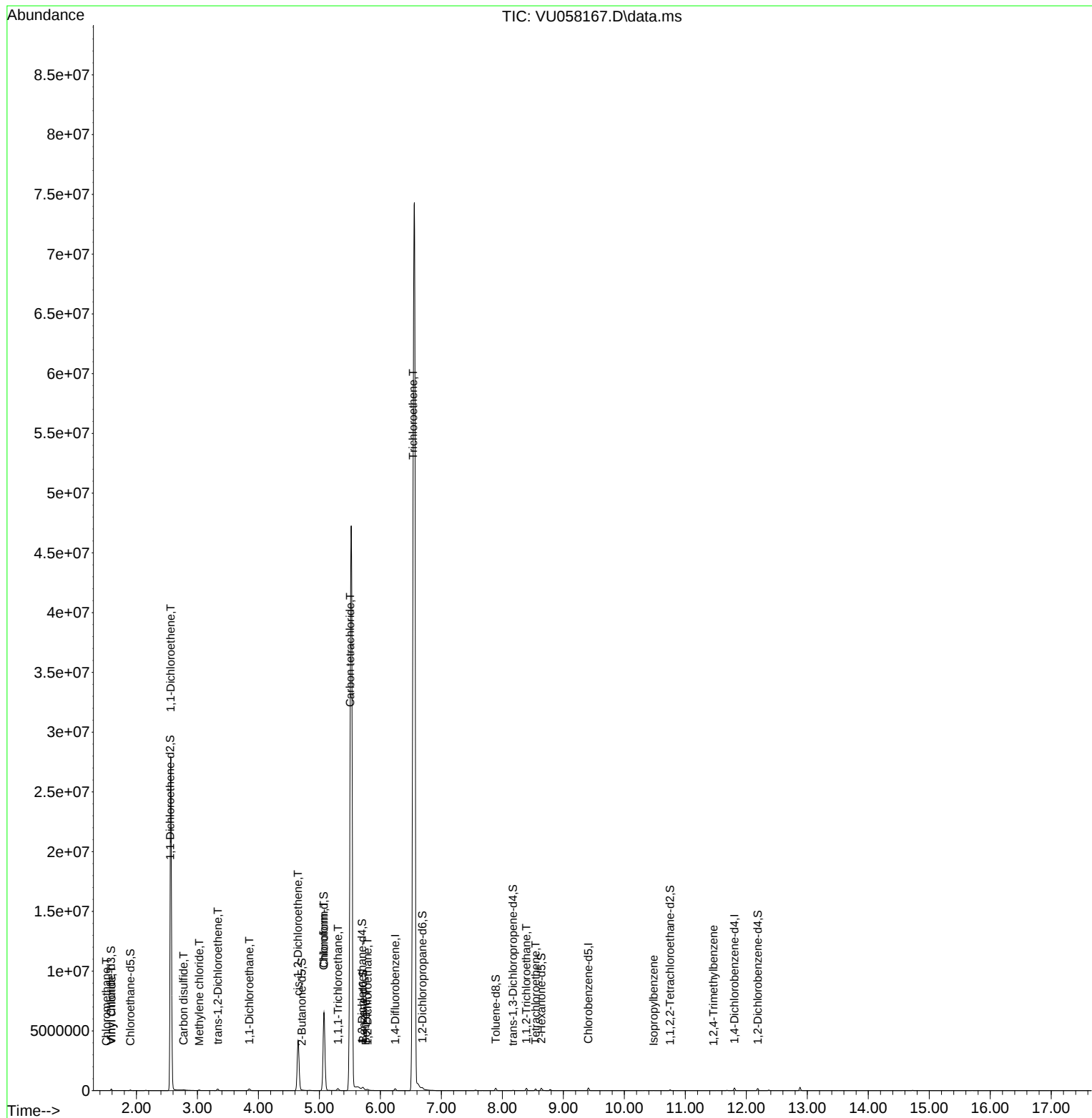
Data Path : Z:\voasrv\HPCHEM1\MSVOA_U\Data\VU031924\
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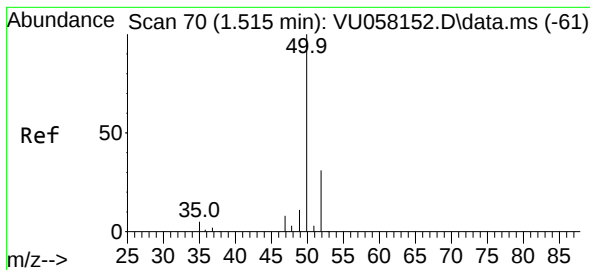
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#3

Chloromethane

Concen: 0.209 ug/L

RT: 1.506 min Scan# 61

Delta R.T. -0.009 min

Lab File: VU058167.D

Acq: 19 Mar 2024 21:51

Instrument :

MSVOA_U

ClientSampleId :

GCFZ0

Tgt Ion: 50 Resp: 1879

Ion Ratio Lower Upper

50 100

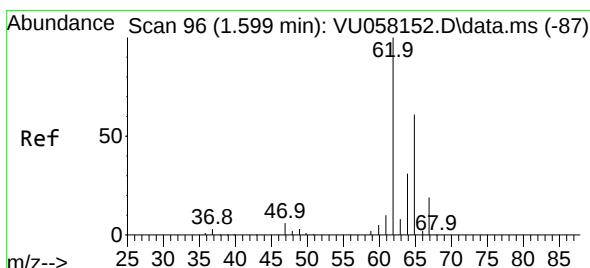
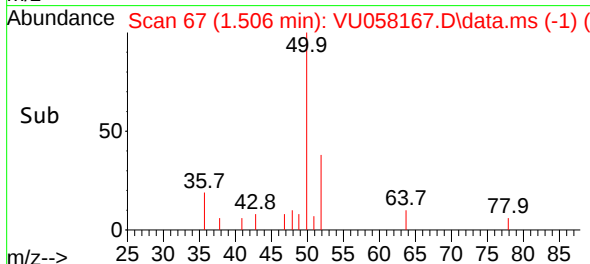
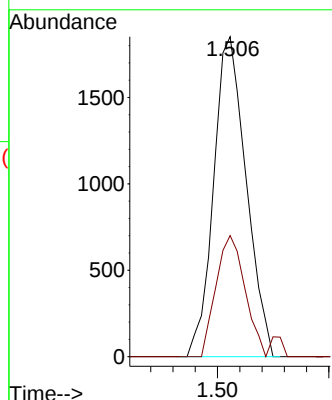
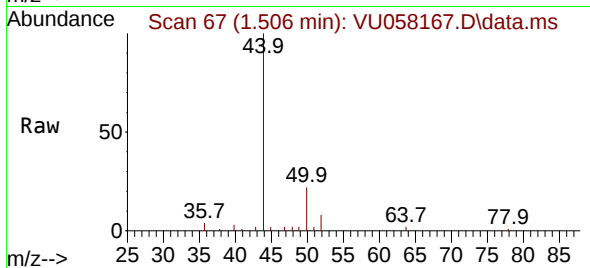
52 37.9 23.1 42.9

Manual Integrations

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#5

Vinyl chloride

Concen: 4.747 ug/L

RT: 1.589 min Scan# 93

Delta R.T. -0.009 min

Lab File: VU058167.D

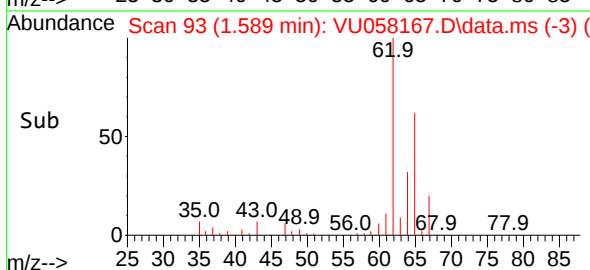
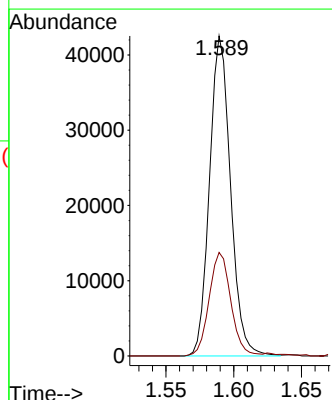
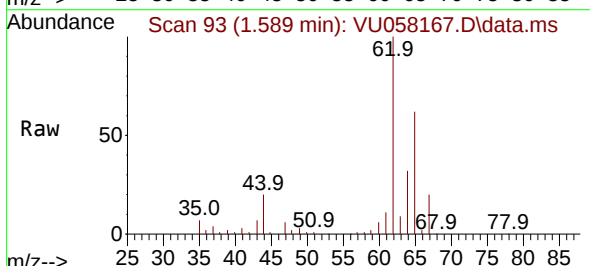
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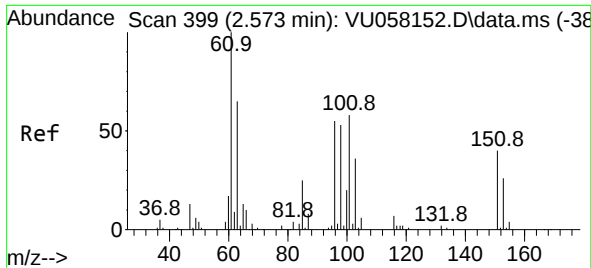
Tgt Ion: 62 Resp: 45837

Ion Ratio Lower Upper

62 100

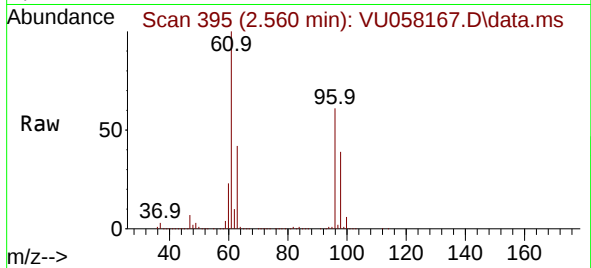
64 32.4 22.5 41.7





#12
1,1-Dichloroethene
Concen: 1090.567 ug/L
RT: 2.560 min Scan# 399
Delta R.T. -0.013 min
Lab File: VU058167.D
Acq: 19 Mar 2024 21:51

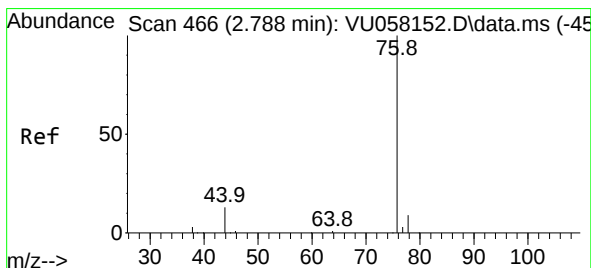
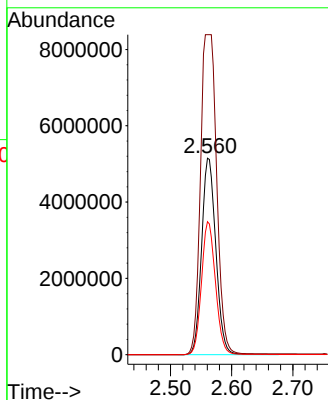
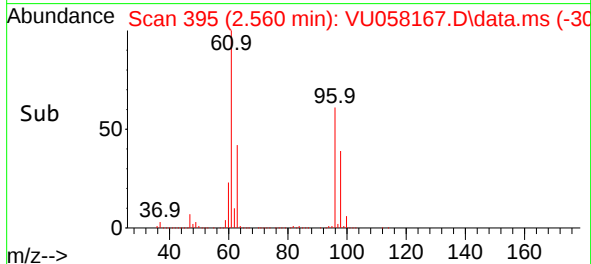
Instrument :
MSVOA_U
ClientSampleId :
GCFZ0



Tgt Ion: 96 Resp: 8336724
Ion Ratio Lower Upper
96 100
61 162.9 131.8 244.8
63 67.7 98.1 182.1

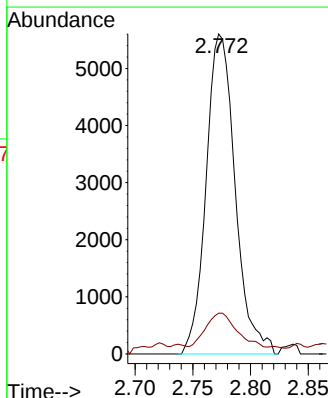
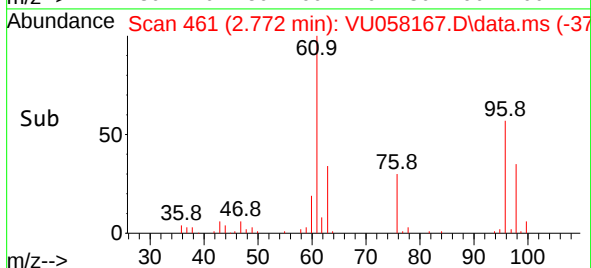
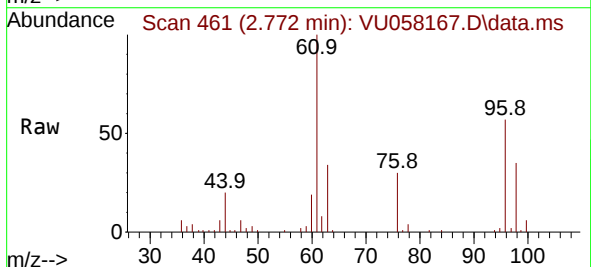
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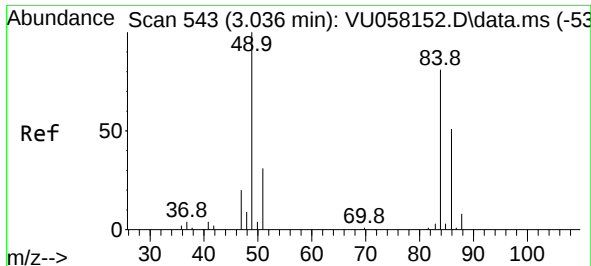
Reviewed By :Mahesh Dadoda 03/20/2024
Supervised By :Semsettin Yesilyurt 03/20/2024



#14
Carbon disulfide
Concen: 0.415 ug/L
RT: 2.772 min Scan# 461
Delta R.T. -0.016 min
Lab File: VU058167.D
Acq: 19 Mar 2024 21:51

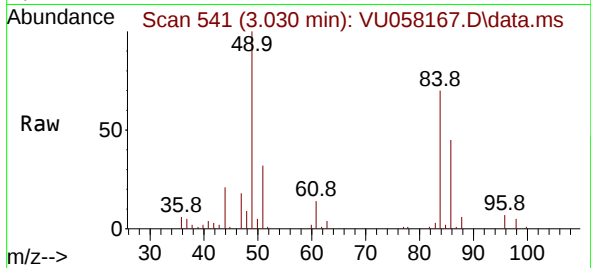
Tgt Ion: 76 Resp: 9810
Ion Ratio Lower Upper
76 100
78 12.7 7.3 10.9#





#16
Methylene chloride
Concen: 2.205 ug/L
RT: 3.030 min Scan# 541
Delta R.T. -0.006 min
Lab File: VU058167.D
Acq: 19 Mar 2024 21:51

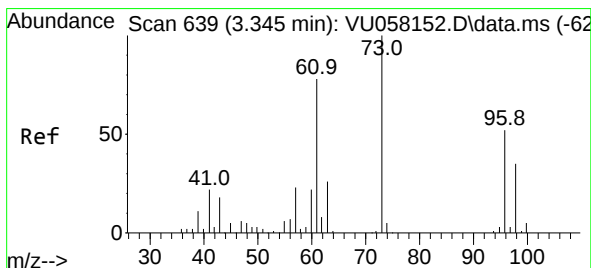
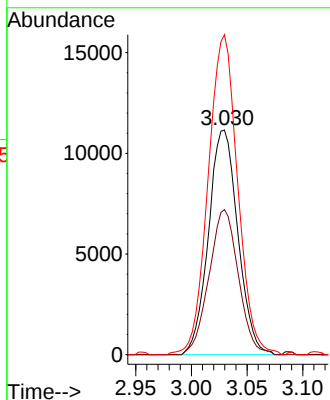
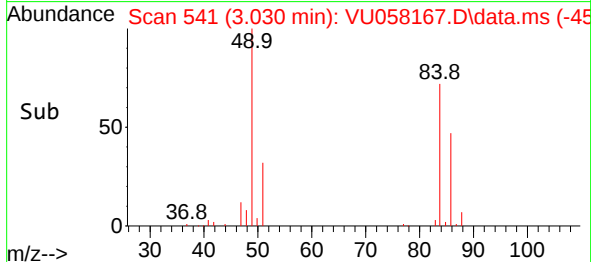
Instrument :
MSVOA_U
ClientSampleId :
GCFZ0



Tgt Ion: 84 Resp: 20484
Ion Ratio Lower Upper
84 100
86 64.6 44.4 82.4
49 142.5 88.8 165.0

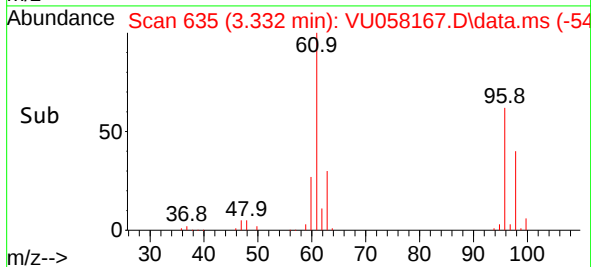
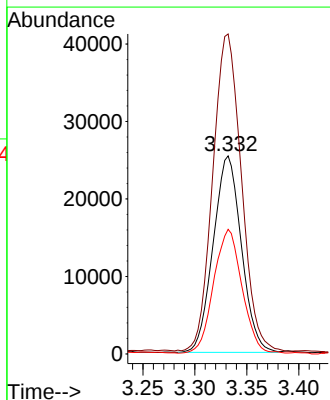
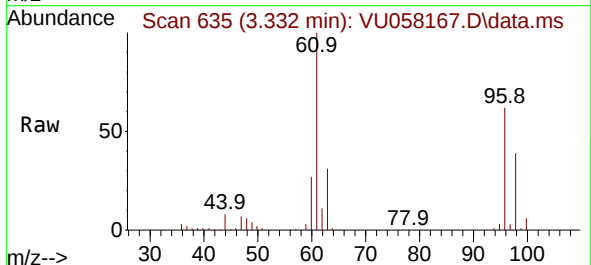
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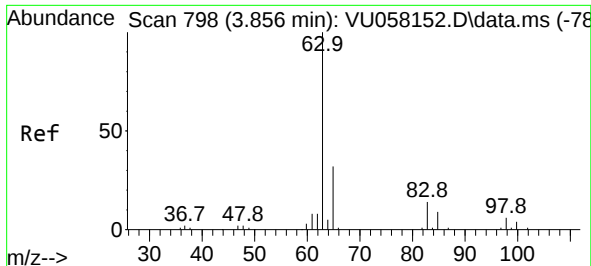
Reviewed By :Mahesh Dadoda 03/20/2024
Supervised By :Semsettin Yesilyurt 03/20/2024



#18
trans-1,2-Dichloroethene
Concen: 5.746 ug/L
RT: 3.332 min Scan# 635
Delta R.T. -0.013 min
Lab File: VU058167.D
Acq: 19 Mar 2024 21:51

Tgt Ion: 96 Resp: 47846
Ion Ratio Lower Upper
96 100
61 161.6 107.7 199.9
98 62.9 45.8 85.0





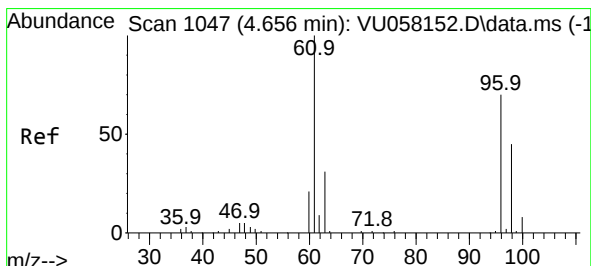
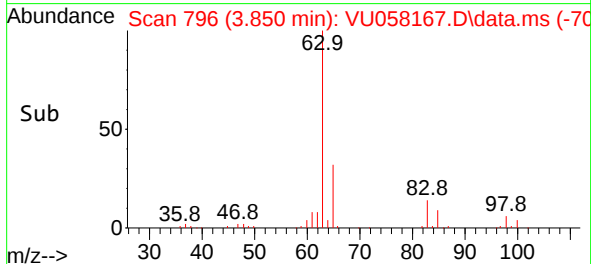
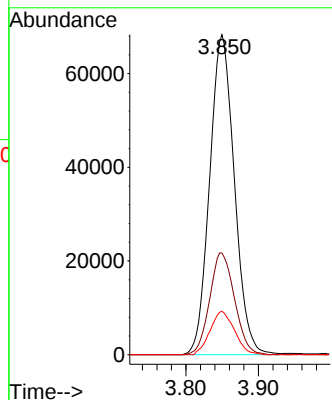
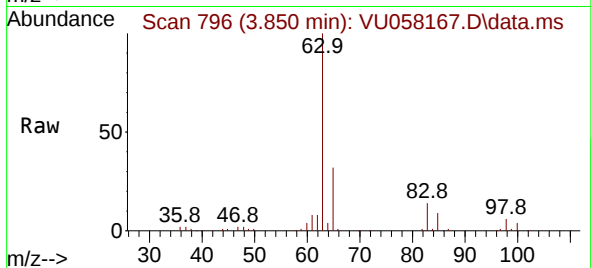
#19
1,1-Dichloroethane
Concen: 9.740 ug/L
RT: 3.850 min Scan# 798
Delta R.T. -0.006 min
Lab File: VU058167.D
Acq: 19 Mar 2024 21:51

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GCFZ0

Tgt Ion: 63 Resp: 16177
Ion Ratio Lower Upper
63 100
65 32.3 22.1 41.1
83 13.6 9.0 16.6

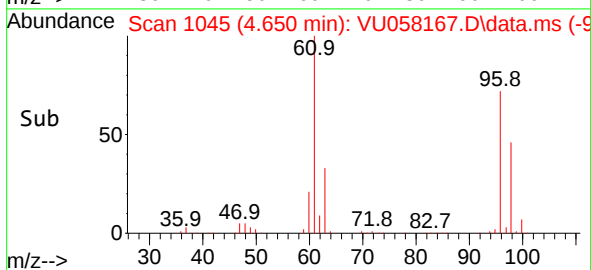
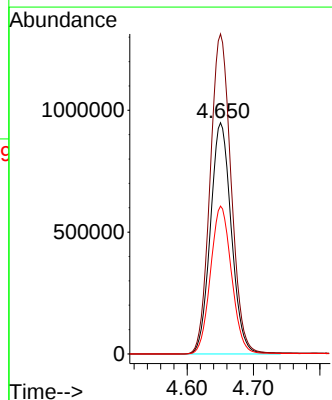
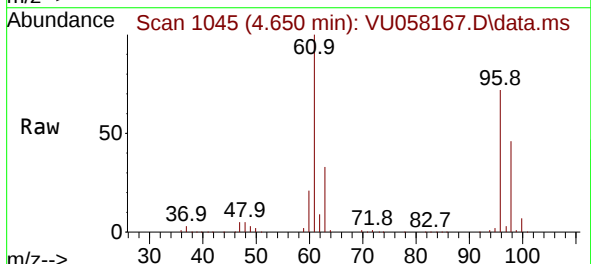
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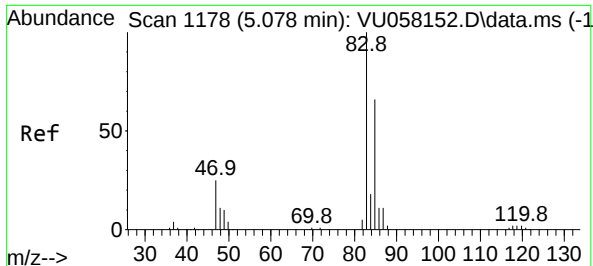
Reviewed By :Mahesh Dadoda 03/20/2024
Supervised By :Semsettin Yesilyurt 03/20/2024



#22
cis-1,2-Dichloroethene
Concen: 226.924 ug/L
RT: 4.650 min Scan# 1045
Delta R.T. -0.006 min
Lab File: VU058167.D
Acq: 19 Mar 2024 21:51

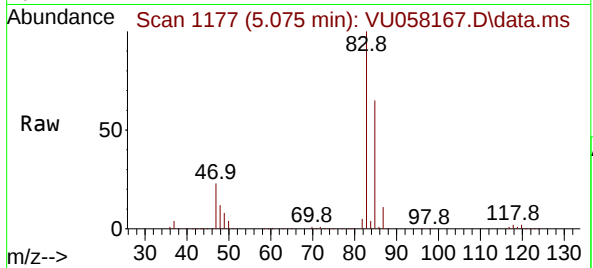
Tgt Ion: 96 Resp: 2078597
Ion Ratio Lower Upper
96 100
61 138.4 97.2 180.4
98 64.0 45.5 84.5





#25
Chloroform
Concen: 337.912 ug/L
RT: 5.075 min Scan# 1178
Delta R.T. -0.003 min
Lab File: VU058167.D
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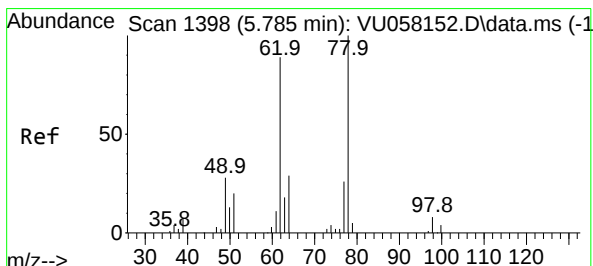
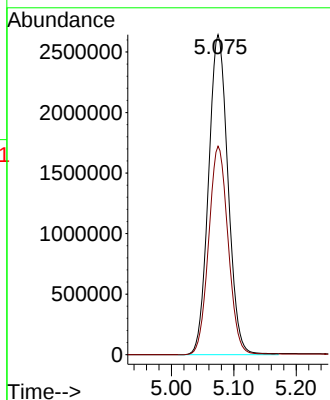
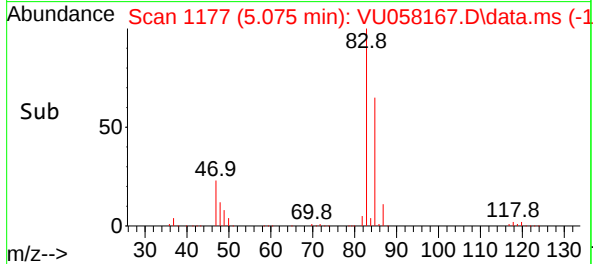
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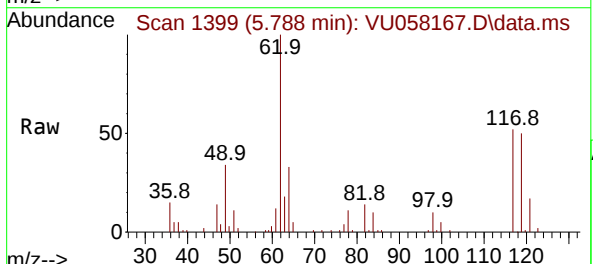
Tgt Ion: 83 Resp: 573014
Ion Ratio Lower Upper
83 100
85 65.2 45.4 84.4

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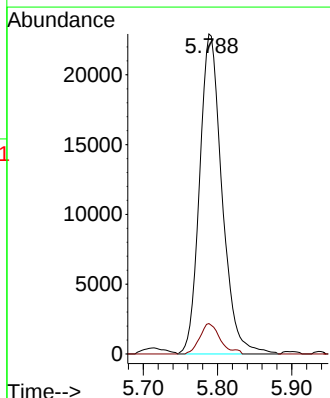
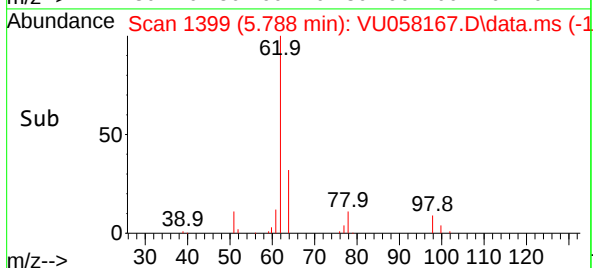
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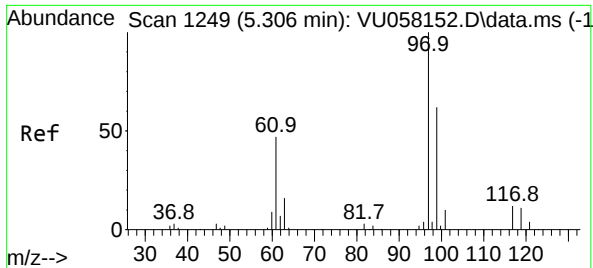


#27
1,2-Dichloroethane
Concen: 5.119 ug/L
RT: 5.788 min Scan# 1399
Delta R.T. 0.003 min
Lab File: VU058167.D
Acq: 19 Mar 2024 21:51



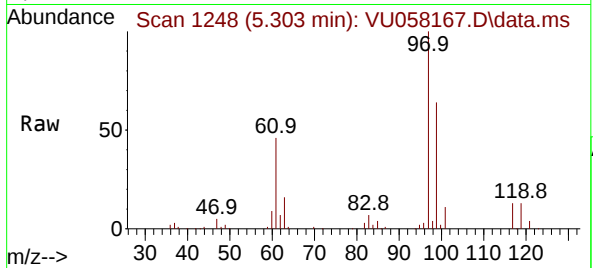
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Ion Ratio Lower Upper
62 100
98 9.5 7.0 10.4





#29
1,1,1-Trichloroethane
Concen: 8.385 ug/L
RT: 5.303 min Scan# 11792
Delta R.T. -0.003 min
Lab File: VU058167.D
Acq: 19 Mar 2024 21:51

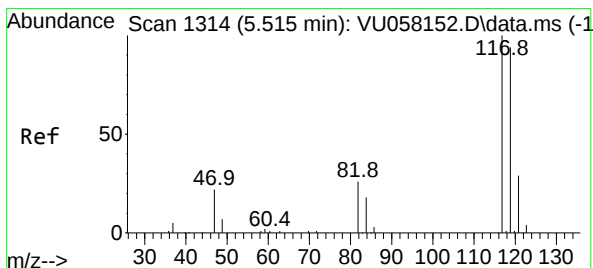
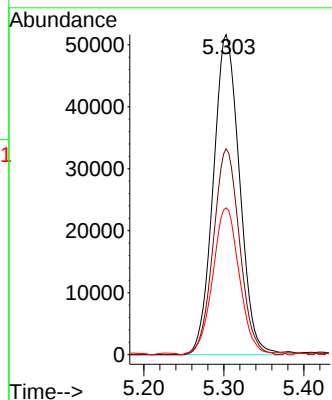
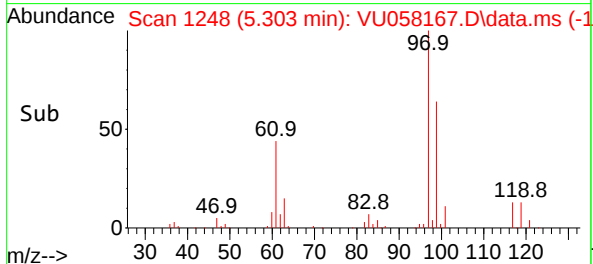
Instrument :
MSVOA_U
ClientSampleId :
GCFZ0



Tgt Ion: 97 Resp: 11792
Ion Ratio Lower Upper
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61 46.7 37.4 56.2

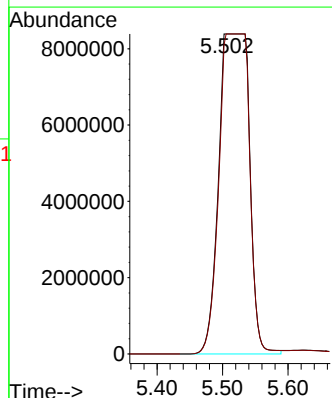
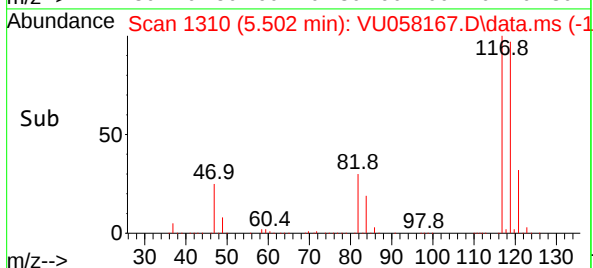
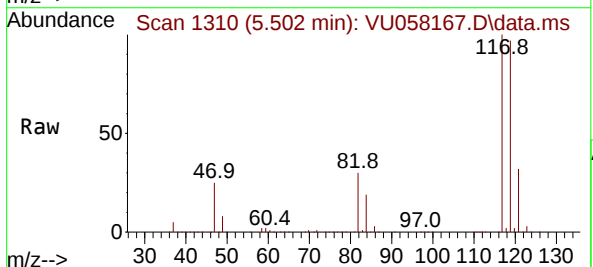
Manual Integrations
APPROVED

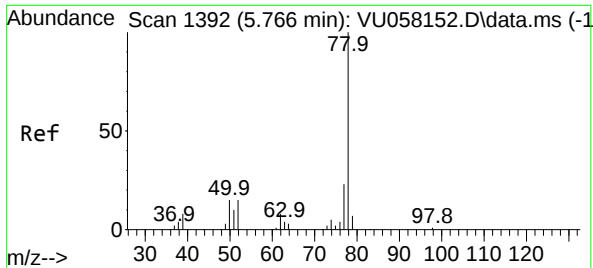
Reviewed By :Mahesh Dadoda 03/20/2024
Supervised By :Semsettin Yesilyurt 03/20/2024



#31
Carbon tetrachloride
Concen: 2222.532 ug/L m
RT: 5.502 min Scan# 1310
Delta R.T. -0.013 min
Lab File: VU058167.D
Acq: 19 Mar 2024 21:51

Tgt Ion:117 Resp:27160551
Ion Ratio Lower Upper
117 100
119 0.0 75.8 113.8#





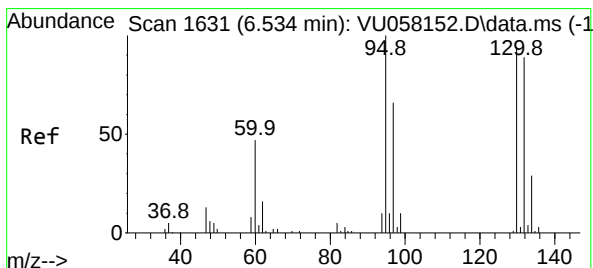
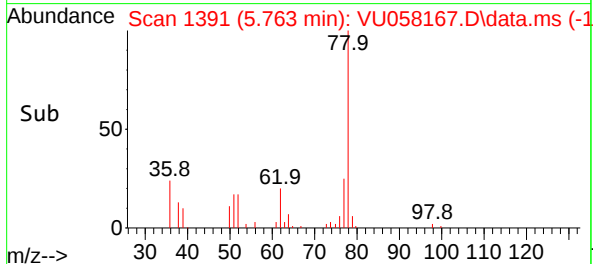
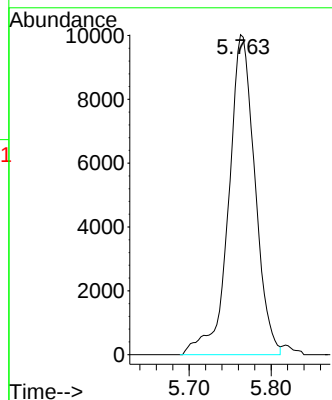
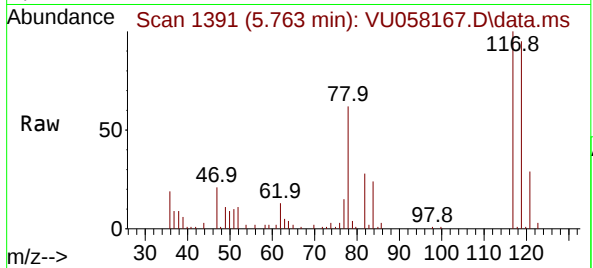
#33
Benzene
Concen: 0.616 ug/L
RT: 5.763 min Scan# 1391
Delta R.T. -0.003 min
Lab File: VU058167.D
Acq: 19 Mar 2024 21:51

Instrument :
MSVOA_U
ClientSampleId :
GCFZ0

Tgt Ion: 78 Resp: 2232

Manual Integrations
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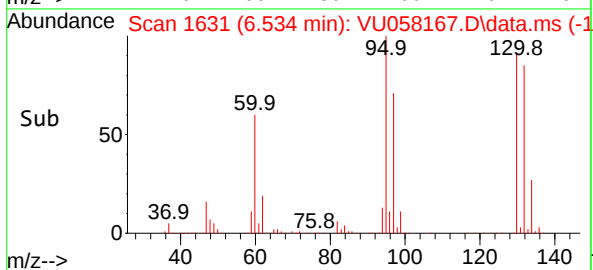
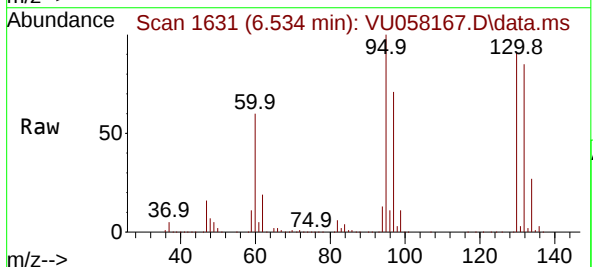
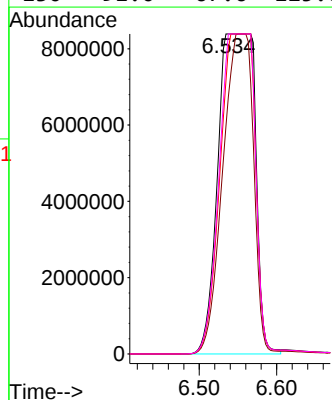
Reviewed By :Mahesh Dadoda 03/20/2024
Supervised By :Semsettin Yesilyurt 03/20/2024

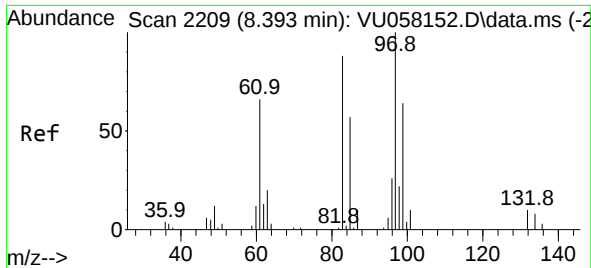


#34
Trichloroethene
Concen: 2920.137 ug/L m
RT: 6.534 min Scan# 1631
Delta R.T. 0.000 min
Lab File: VU058167.D
Acq: 19 Mar 2024 21:51

Tgt Ion: 95 Resp:27857935

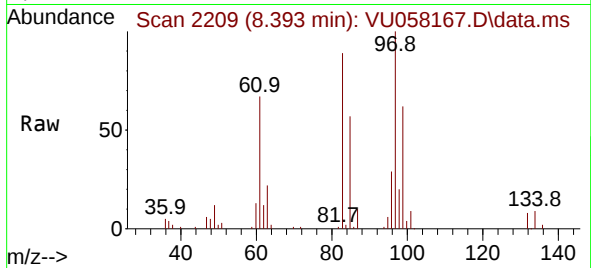
Ion	Ratio	Lower	Upper
95	100		
97	71.2	45.3	84.1
132	85.4	63.1	117.1
130	91.0	67.6	125.6





#45
1,1,2-Trichloroethane
Concen: 10.769 ug/L
RT: 8.393 min Scan# 2209
Delta R.T. 0.000 min
Lab File: VU058167.D
Acq: 19 Mar 2024 21:51

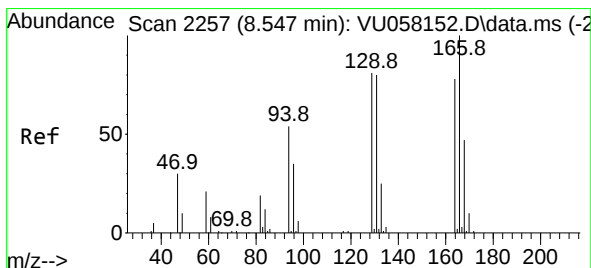
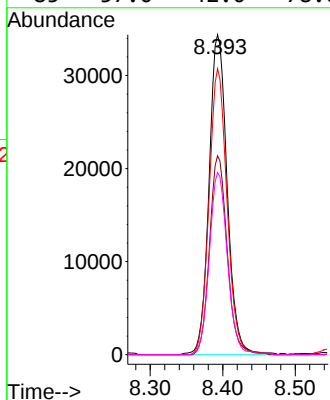
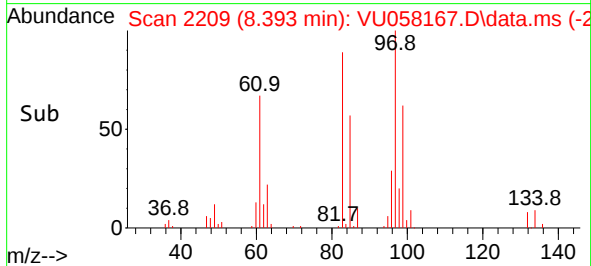
Instrument :
MSVOA_U
ClientSampleId :
GCFZ0



Tgt Ion: 97 Resp: 5970
Ion Ratio Lower Upper
97 100
99 62.1 44.2 82.2
83 89.4 64.2 119.2
85 57.0 42.0 78.0

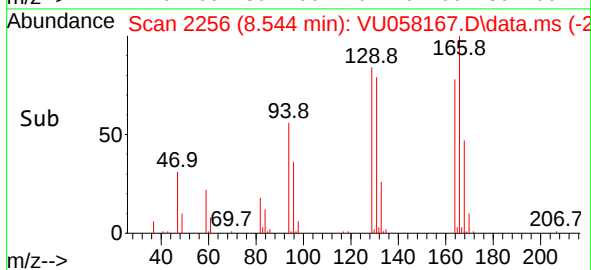
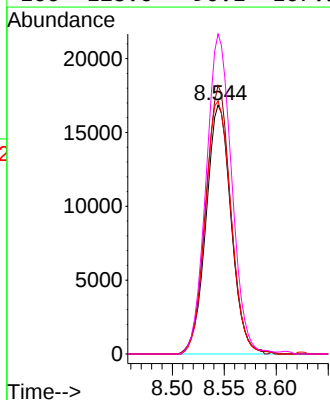
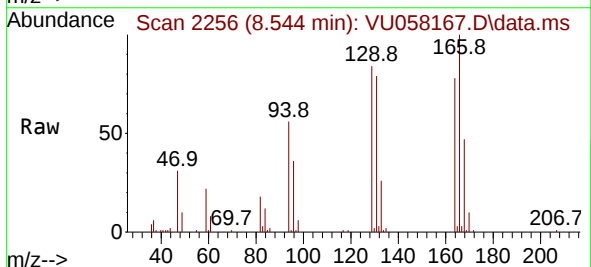
Manual Integrations
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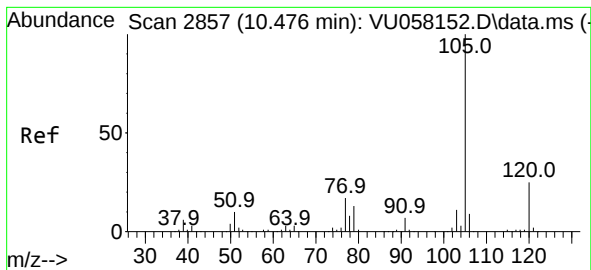
Reviewed By :Mahesh Dadoda 03/20/2024
Supervised By :Semsettin Yesilyurt 03/20/2024



#47
Tetrachloroethene
Concen: 4.276 ug/L
RT: 8.544 min Scan# 2256
Delta R.T. -0.003 min
Lab File: VU058167.D
Acq: 19 Mar 2024 21:51

Tgt Ion:164 Resp: 28301
Ion Ratio Lower Upper
164 100
129 107.9 69.3 128.7
131 101.7 69.9 129.9
166 128.6 90.1 167.3





#60

Isopropylbenzene

Concen: 0.185 ug/L

RT: 10.480 min Scan# 21

Delta R.T. 0.003 min

Lab File: VU058167.D

Acq: 19 Mar 2024 21:51

Instrument :

MSVOA_U

ClientSampleId :

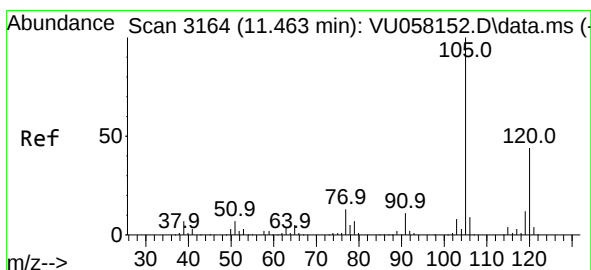
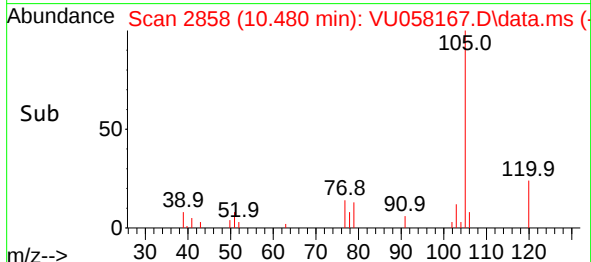
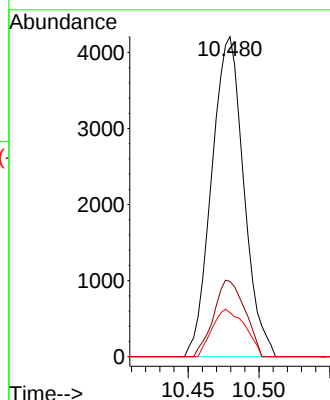
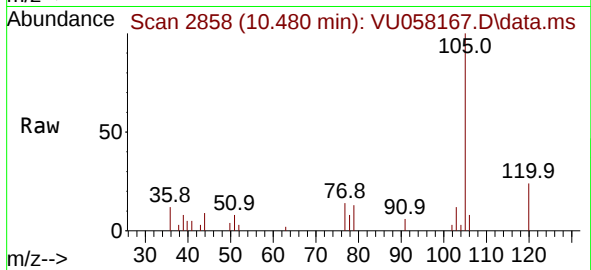
GCFZ0

Tgt Ion:	105	Resp:	663
Ion Ratio	Lower	Upper	
105	100		
120	23.3	20.4	30.6
77	15.1	13.2	19.8

Manual Integrations

APPROVED

Reviewed By :Mahesh Dadoda 03/20/2024
Supervised By :Semsettin Yesilyurt 03/20/2024



#63

1,2,4-Trimethylbenzene

Concen: 0.066 ug/L

RT: 11.460 min Scan# 3163

Delta R.T. -0.003 min

Lab File: VU058167.D

Acq: 19 Mar 2024 21:51

Tgt Ion:	105	Resp:	1963
Ion Ratio	Lower	Upper	
105	100		
120	48.0	34.8	52.2

